

Atty. Dkt. No. NB 2004.02 (060925-0402)

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April 14, 2006 (Date of Deposit)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

H. Michael SHEPARD et al.

Title:

ENZYME CATALYZED

THERAPEUTIC AGENTS

Appl. No.:

09/782,721

Filing Date:

2/12/2001

Examiner:

Crane, Lawrence E.

Art Unit:

1623

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR §1.56

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicants in order to comply with Applicants' duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicants do not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

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TIMING OF THE DISCLOSURE

The listed documents are being submitted in compliance with 37 CFR §1.97(c), before the mailing date of either a final action under 37 CFR §1.113, a notice of allowance under 37 CFR §1.311, or an action that otherwise closes prosecution in the application.

RELEVANCE OF EACH DOCUMENT

Applicants respectfully request that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

FEE

A check in the amount of \$180.00 is enclosed in accordance with 37 CFR §1.17(p) to cover the fee associated with an information disclosure statement under 37 CFR §1.97(c) in the amount of \$180.00.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 C.F.R. §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 50-0872. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 50-0872.

Respectfully submitted,

Date W

FOLEY & LARDNER LLP

Customer Number: 38706

Telephone:

(650) 251-1129

Facsimile:

(650) 856-3710

Antoinette F. Konski Attorney for Applicant

Registration No. 34,202

MODIFIED PTO/SB/08 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: April 13, 2006

(use as many sheets as necessary)

Sheet 1 of 9

Complete if Known				
Application Number	09/782,721			
Filing Date	2/12/2001			
First Named Inventor	H. Michael Shepard			
Group Art Unit	1623			
Examiner Name	Crane, Lawrence E.			
Attorney Docket Number	NB 2004.02 (060925-0402)			

	U.S. PATENT DOCUMENTS							
	Cito	U.S. Patent Document		N	Date of Publication of	Pages, Columns, Lines, Where Relevant		
Examiner Initials*	Cite No. ¹	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear		
	1	5,274,162		Glazier	12-28-1993			
	2	5,502,037		Kondratyev	03-26-1996			
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	4	5,705,336		Reed et al.	01-06-1998			
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	6	6,599,499	B1	Rosen et al.	07-29-2003			
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Examiner Initials*	No. ¹	Serial Number	Kind Code ² (if known)	Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
	7	2002/0022001	A1	Klecker et al.	02-21-2002	
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	9	2002/0119094	A1	Klecker et al.	08-29-2002	
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	11	2003/0049201	A1	Klecker et al.	03-13-2003	
	12	2003/0095921	A1	Klecker et al.	05-22-2003	

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	Substitute for forr	m 1449B/	/PTO		Complete if Known		
	INFORMATION [DISCLO	SURE	Application Number	09/782,721		
	STATEMENT BY	APPLI	CANT	Filing Date	2/12/2001		
	Data Submitted	April 12	2006	First Named Inventor	H. Michael Shepard		
-	Date Submitted:	April 13	, 2006	Group Art Unit	1623		
(use as many sheets as necessary)				Examiner Name	Crane, Lawrence E.		
Sheet	2	of	9	Attorney Docket Number	NB 2004.02 (060925-0402)		

				F	OREIGN PATENT DOCUMEN	TS		
Examiner Initials*	Cite No. ¹	F Office	oreign Patent D	ocument Kind Code ⁵ (if known)	Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	13	EP	0 095 294	A1	Beecham Group PLC	11-30-1983		
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		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	26	ASCHELE et al. "Immunohistochemical quantitation of thymidylate synthase expression in colorectal cancer metastases predicts for clinical outcome to fluorouracil-based chemotherapy" <i>J. Clin. Oncol.</i> (June 1999) 17(6) :1760-1770	
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•	(use as many sl	neets as ne	cessary)	Examiner Name	Crane, Lawrence E.		
Sheet	3	of	9	Attorney Docket Number	NB 2004.02 (060925-0402)		

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•	43	CURTIN et al. "Mechanism of Cell Death following Thymidylate Synthase Inhibition: 2'-Deoxyuridine-5'-triphosphate Accumulation, DNA Damage, and Growth Inhibition following Exposure to CB3717 and Dipyridamole" Cancer Res. (May 1, 1991) 51:2346-2352	
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Examiner	Date
Signature	Considered

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	67	KOMAKI et al. "Difference in thymidylate synthetase activity in involved nodes compared with primary tumor in breast cancer patients" <i>Breast Cancer Res. Treat.</i> (1995) 35(2) :157-162	
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Examiner		Date	·
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	Substitute for form	n 1449B/	PTO		Complete if Known		
	INFORMATION D	SCLO	SURE	Application Number	09/782,721		
	STATEMENT BY	APPLI	CANT	Filing Date	2/12/2001		
	Date Submitted: A	April 12	2006	First Named Inventor	H. Michael Shepard		
	Date Submitted: A	чрин тэ,	2000	Group Art Unit	1623		
	(use as many sheet	s as nec	cessary)	Examiner Name	Crane, Lawrence E.		
Sheet	7	of	9	Attorney Docket Number	NB 2004.02 (060925-0402)		

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	79	LIVINGSTON et al. "Studies with tetrahydrohomofolate and thymidylate synthetase from amethopterin- resistant mouse leukemia cells" <i>Biochem.</i> (1968) 7(8) :2814-2818	
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	92	NICULESCU-DUVAZ et al. "Gene-directed enzyme prodrug therapy: A review of enzyme/prodrug combinations" Expert Opin. Invest. Drugs (1997) 6(6):685-703	

Examiner	 Date	
Signature	Considered	

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	STATEMENT BY	APPLI	CANT	Filing Date	2/12/2001		
	Data Cubacittado	A: 1 4 2	anne.	First Named Inventor	H. Michael Shepard		
	Date Submitted:	Арпі тэ,	, 2006	Group Art Unit	1623		
_	(use as many sheet	ts as ne	cessary)	Examiner Name	Crane, Lawrence E.		
Sheet	8	of	9	Attorney Docket Number	NB 2004.02 (060925-0402)		

		NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹				
· .	93	PARADISO et al. "Thymidilate synthase and p53 primary tumour expression as predictive factors for advanced colorectal cancer patients" <i>British J. of Cancer</i> (2000) 82(3) :560-567			
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	101	SABOULARD et al. "Characterization of the activation pathway of phosphoramidate triester prodrugs of stavudine and zidovudine" <i>Mol. Pharmacol.</i> (1999) 56 :693-704			
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	105	van TRIEST et al. "Thymidylate synthase level as the main predictive parameter for sensitivity to 5-fluorouracil, but not for folate-based thymidylate synthase inhibitors, in 13 nonselected colon cancer lines" <i>Clin. Cancer Res.</i> (1999) 5(3) :643-654			

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/782,721		
				Filing Date	2/12/2001		
Date Submitted: April 13, 2006 (use as many sheets as necessary)				First Named Inventor	H. Michael Shepard		
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	WOLFE et al. "Antibody-directed enzyme prodrug therapy with the T268G mutant of human carboxypeptidase A1: in vitro and in vivo studies with prodrugs of methotrexate and the thymidylate synthase" <i>Bioconjugate Chemistry</i> (1999) 10(1) :38-48						
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